WAVELENGTH-SELECTIVE ROUTING USING AN
OPTICAL ADD/DROP ARCHITECTURE

Abstract of the Disclosure

5   A wavelength-selective routing capability is provided in a single network element by configuring the network element using a combination of add/drop network elements to route individual optical channels of WDM signals among a plurality of optical transmission paths coupled to the network element. Any optical channel of any WDM signal received at the network element can be selectively added, dropped, or routed among the multiple optical transmission paths within and external to the node.